



ESPACER™300Z

Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue:12/1/2000 Revision date:6/1/2017

Version: 3.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : ESPACER™300Z
Product code : EL-21101(EU)

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Main use category : Professional use
Industrial/Professional use spec : For professional use only
Function or use category : Anti-static agents, Conductive agents

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier : Showa Denko Europe GmbH
Address : Konrad-Zuse-Platz 3, 81829 Munich, Germany
Tel. : +49-89-93 99 62-0
E-mail : support@sde.de
Manufacturer : SHOWA DENKO K.K. Electronics Materials Division
13-9, Shiba Daimon 1-Chome, Minato-ku, Tokyo 105-8518 Japan
Tel. +81-3-5470-3344

1.4. Emergency telephone number

Emergency number : +44(0)1235 239 670

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Child-resistant fastening : Not applicable
Tactile warning : Not applicable

2.3. Other hazards

Other hazards not contributing to the classification : May be corrosive to metals.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
poly(isothianaphthenediyl-sulfonate)	(CAS No) 188754-53-2	< 1	Not classified

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Benzenesulfonic acid, C10-16-alkyl derivatives	(CAS No) 68584-22-5 (EC No) 271-528-9	< 1	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Skin Corr. 1A, H314 Aquatic Chronic 2, H411
Water	(CAS No) 7732-18-5 (EC No) 231-791-2	> 98	Not classified

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Get medical advice/attention if you feel unwell. IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. If the person is fully conscious, try to induce vomiting. Get medical advice/attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects	: May cause slight temporary irritation.
Symptoms/effects after inhalation	: Trachea irritation.
Symptoms/effects after skin contact	: skin irritation and erythema.
Symptoms/effects after eye contact	: Irritation of the eye tissue.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: The product is not easily ignited. Chemical fire extinguisher. carbon dioxide (CO ₂), foam, hazy water, powder.
Unsuitable extinguishing media	: None to our knowledge.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Toxic fumes may be released.
Explosion hazard	: Product is not explosive.

5.3. Advice for firefighters

Firefighting instructions	: Fight fire from safe distance and protected location.
Protection during firefighting	: Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Provide sufficient air exchange and/or exhaust.
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6.1.1. For non-emergency personnel

Protective equipment	: Wear suitable protective clothing, gloves and eye or face protection.
Emergency procedures	: Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment	: Wear suitable protective clothing, gloves and eye or face protection.
Emergency procedures	: Stop release.

6.2. Environmental precautions

Prevent spreading over great surfaces (e.g. by damming or installing oil booms).

6.3. Methods and material for containment and cleaning up

For containment	: In the case of a large amount leakage, fenced by a clod or cloth and prevent the flowing, and retrieve by small submersible pump, absorb the remaining by waste cloth if possible.
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6.4. Reference to other sections

For further information refer to section 13. For further information refer to section 8: "Exposure controls/personal protection".

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Do not get in eyes, on skin, or on clothing. Wear suitable protective clothing, gloves and eye or face protection. After treating, wash hands and face well, and gargle.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : No information available.
- Storage conditions : Keep only in original container.
- Storage temperature : 5 (2 - 8) °C (36F - 46F)
- Storage area : Keep container tightly closed in a cool place.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

- Appropriate engineering controls : Install the local exhaust ventilation in handling area. Safety shower. provide eye wash and label its location conspicuously.
- Hand protection : protective gloves
- Eye protection : Wear eye/face protection
- Skin and body protection : According to the conditions of use, protective gloves, apron, boots, head and face protection must be worn
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Appearance : Liquid.
- Colour : Black.
- Odour : Sulfur.
- Odour threshold : No data available
- pH : 5 (3 - 6)
- Relative evaporation rate (butylacetate=1) : No data available
- Melting point : 0 °C
- Freezing point : No data available
- Boiling point : 100 °C
- Flash point : No data available
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Flammability (solid, gas) : No data available
- Vapour pressure : 24 mm Hg (25°C)
- Relative vapour density at 20 °C : 0.6
- Relative density : 1.005 (1.001 - 1.009)
- Solubility : Water: Material highly soluble in water
- Log Pow : No data available
- Viscosity, kinematic : No data available
- Viscosity, dynamic : No data available
- Explosive properties : No data available
- Oxidising properties : No data available
- Explosive limits : No data available

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Overheating. Light (daylight).

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

poly(isothianaphthenediyl-sulfonate) (188754-53-2)

LD50 oral rat	> 2000 mg/kg (Showa Denko's experimental data 94/0473)
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Benzenesulfonic acid, C10-16-alkyl derivatives (68584-22-5)

LD50 oral rat	530 mg/kg (IUCLID)
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LD50 dermal rat	530 mg/kg (IUCLID)
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Skin corrosion/irritation : The material caused no irritation in a primary skin-irritation test using rabbits (analogy with similar product)(Showa Denko's experimental data 94/0352, 94/0353, 94/0611); based on available data, the classification criteria are not met.

pH: 5 (3 - 6)

Serious eye damage/irritation : The material caused slight and transient irritation in a primary eye-irritation test using rabbits (analogy with similar product) (Showa Denko's experimental data 94/0428, 94/0474); based on available data, the classification criteria are not met.

pH: 5 (3 - 6)

Respiratory or skin sensitisation : Respiratory: not classified due to lack of data.

No ingredients are classified for skin sensitisation; not classified due to lack of data.

Germ cell mutagenicity : No ingredients are classified for mutagenic effects; not classified due to lack of data.

Carcinogenicity : Not classified due to lack of data.

Reproductive toxicity : Not classified due to lack of data.

Specific target organ toxicity (single exposure) : Not classified due to lack of data.

Specific target organ toxicity (repeated exposure) : Not classified due to lack of data.

Aspiration hazard : Not classified due to lack of data.

SECTION 12: Ecological information

12.1. Toxicity

Benzenesulfonic acid, C10-16-alkyl derivatives (68584-22-5)

LC50 fish 1	3 mg/l Rainbow trout (IUCLID)
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EC50 Daphnia 1	2.9 mg/l Water flea (IUCLID)
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12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Benzenesulfonic acid, C10-16-alkyl derivatives (68584-22-5)

Log Pow	2 (at 23°C) (IUCLID)
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12.4. Mobility in soil

No additional information available

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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Assure disposal complies with applicable regulations.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable

14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

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- Inland waterway transport

No data available

- Rail transport

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

VwVwS Annex reference : Water hazard class (WGK) 2, severe hazard to waters (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : is listed

SZW-lijst van mutagene stoffen : is listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

Denmark

Recommendations Danish Regulation : Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Data sources : This information is provided in the present safety data sheet.

Other information : None.

Full text of H- and EUH-statements:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
H302	Harmful if swallowed
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H411	Toxic to aquatic life with long lasting effects

SDK SDS EU (REACH Annex II) (ver.20160929)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product